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4 BILL NO. S-76-04-30.

5 SPECIAL ORDINANCE NO. S- 87-76

6 AN ORDINANCE approving Change Order  
7 No. 8 in connection with the Water  
Pollution Control Expansion Project,  
Division I (Plant Additions).

8  
9 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY  
10 OF FORT WAYNE, INDIANA:

11 SECTION 1. That Change Order No. 8 to Hagerman-  
12 Shambaugh, joint bidders, in connection with the Water  
13 Pollution Control Expansion Project, Division I (Plant  
14 Additions) in the amount of \$30,188.00, as set out in  
15 the specifications, is hereby in all things ratified,  
16 confirmed and approved.

17 SECTION 2. This Ordinance shall be in full force  
18 and effect from and after its passage and approval by the  
19 Mayor.

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22 \_\_\_\_\_  
23 Councilman  
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32 APPROVED AS TO FORM  
33 AND LEGALITY, \_\_\_\_\_  
34   
35 CITY ATTORNEY

Read the first time in full and on motion by Moses, seconded by Hinga, and duly adopted; read the second time by title and referred to the Committee on Public Works (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on \_\_\_\_\_, the \_\_\_\_\_ day of \_\_\_\_\_, 197\_\_\_\_\_, at \_\_\_\_\_ o'clock P.M., E.S.T.

Date: 4-13-76

Charles W. Atkinson  
CITY CLERK

Read the third time in full and on motion by D Schmidt, seconded by Hinga, and duly adopted, placed on its passage. Passed (~~last~~) by the following vote:

TOTAL VOTES	AYES	NAYS	ABSTAINED	ABSENT	TO-HIT
BURNS	<u>✓</u>				
HINGA	<u>✓</u>				
HUNTER	<u>✓</u>				
HOSES				<u>✓</u>	
NUCKOLS	<u>✓</u>				
SCHMIDT, D.	<u>✓</u>				
SCHMIDT, V.	<u>✓</u>				
STIER	<u>✓</u>				
TALARICO	<u>✓</u>				

DATE: 4-27-76

Charles W. Atkinson  
CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (Zoning Map (General) (Annexation) (Special) - (Appropriation) Ordinance (Resolution) No. 16 on the 27th day of April, 1976.

ATTEST: (SEAL)

Charles W. Atkinson  
PRESIDING OFFICER  
James S. Stier  
A. M. E. S. T.  
Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 28th day of April, 1976, at the hour of 11:00 o'clock A. M. E. S. T.

Approved and signed by me this 28th day of April, 1976, at the hour of 4:30 o'clock P. M. E. S. T.

Charles W. Atkinson  
CITY CLERK

Robert Ellingshong  
MAYOR

Bill No. S-76-04-30

REPORT OF THE COMMITTEE ON PUBLIC WORKS

We, your Committee on Public Works to whom was referred an Ordinance  
approving Change Order No. 8 in connection with the Water Pollution Control Expansion  
Project, Division I (Plant Additions.)

have had said Ordinance under consideration and beg leave to report back to the Common  
Council that said Ordinance PASS.

Winfield C. Moses, Jr. - Chairman

Donald J. Schmidt - Vice-Chairman

Vivian G. Schmidt

Paul M. Burns

William T. Hinga

DSchmidt  
Vivian H. Schmidt  
and  
William T. Funge

DATE 4-27-76 CONCURRED IN  
CHARLES W. WESTERMAN, CITY CLERK

PROJECT Water Quality Control Project OWNER City of Fort Wayne, Indiana

DIVISION/WATER POLLUTION CONTROL PLANT ADDITIONS

CHANGE ORDER NO. 8

TO: Hagerman-Shambaugh - Joint Bidders

Z Hagerman Construction Corporation

P.O. Box 690 - 403 Strauss Building

Fort Wayne, Indiana 46801

You are hereby authorized to make the following additions and/or deductions to your contract amount.

	Previous Contract Amount	Increase	Decrease	Net Change ( <del>Revised</del> ) (Add)	Revised Contract Amount
TOTAL	\$ 20,767,401.10	\$ 79,691.00	\$ 49,503.00	\$ 30,188.00	\$ 20,797,589.10

Description of Change:	Add	Deduct
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Item No. 1

Furnish all labor and material necessary to use welded steel piping and fittings in lieu of C.I. Piping and fittings for the proposed new raw sewage pump discharge lines.

Delete C.I. Piping and fittings \$ 36,003

Add New Steel Piping and fittings all with 16 mil coal tar epoxy interior coating \$ 33,725

Item No. 2

Furnish and install all materials and labor to revise the size of the manhole over plant water pump suction pipe and valve. The following is a breakdown of materials and labor cost.

- |  |       |
|--|-------|
| A. Change 16' of 48" pipe to 15' of 72" pipe                             | 1,150 |
| B. Add approximately 2 CY. of concrete base and remove existing 48" pipe | 375   |

PAGE 2  
CHANGE ORDER NO. 8  
PROJECT

Division I - Water Pollution Control Plant Additions

<u>Item No.</u>		Add	Deduct
<u>Item No. 3</u>	Furnish all labor and material necessary to repair and replace 49 broken glass window lights in the area of the new proposed offices.	\$ 846.00	
<u>Item No. 4</u>	Furnish all labor and material necessary to add 43 lineal feet of stone coping to the new digester building.	515.00	
<u>Item No. 5</u>	Furnish all labor and material necessary to add one new electrical power circuit and outlet to the center cabinet island located in new laboratory.	100.00	
<u>Item No. 6</u>	Furnish all labor and material necessary to clean and paint six existing doors and all windows in the new office area. Painting shall conform with section D-15 "Painting" of the specifications.	420.00	
<u>Item No. 7</u>	Furnish all labor and material necessary to modify the emergency exhaust ventilator duct in the existing chlorine equipment room.	351.00	
<u>Item No. 8</u>	Furnish all labor and material necessary to add a new vanity with base and hardware to the womens restroom facility.	345.00	
<u>Item No. 9</u>	Furnish all labor and materials necessary to enlarge and relocate two new proposed electrical substations. The following is a list of additions and deletions that will be required.		
A. Increase in fee from Indiana & Michigan		11,300.00	
B. Extend 6-way duct and cable 40' to revised substation location at the Main Plant		6,680.00	

PAGE NO. 3

CHANGE ORDER NO. 8

PROJECT Division I - Water Pollution Control Plant Additions

<u>Item No.</u>	<u>Continued</u>	Add	Deduct
C.	Extend 6-way duct and cable 60' to the revised substation location at the Storm Water Lift Station	\$ 9,960.00	
D.	Add stone roads for access to I & M Sub-station.	800.00	
E.	Compaction of fill for the substation at the Main Plant Site	2,800.00	
F.	Relocate existing and new 10" PVC chlorine lines		
(1)	340 feet relocated 10" PVC piping @ \$16.61 per lineal foot	5,647.00	
(2)	Excavation and backfill @ \$2.24 per lineal foot	762.00	
(3)	100 feet new 10" PVC @ \$16.61 per L.F.	1,661.00	
(4)	100 feet of excavation and backfill @ \$2.24 per lineal foot	224.00	
G.	Delete the 5 KV General Electric Breakmaster.		\$ 13,500.00

Item No. 10

Furnish all labor and material necessary to install electrical conduit in the concrete slab for electrical service potential to the point designated for a future blower in the new blower building.

Add 45 L.F. of 1" conduit and 45 L.F. of 2-1/2" conduit	600.00
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Item No. 11

Furnish all labor and material necessary to waterproof and back fill the area between the existing primary tanks and the new blower building.

Add waterproofing to the exterior surface of the new blower building walls that are below grade	440.00
Add 75 cubic yards of compacted fill material	530.00

Item No. 12	Add	Deduct
Furnish all labor and material necessary to paint the ceiling and existing piping in the new locker room area and paint the walls in the new file room	\$ 460.00	
Totals		
Totals	\$79,691.00	\$49,503.00
Net Change - Add	\$30,188.00	

These changes do not affect the completion date.

## RECOMMENDED:

HENRY B. STREG & ASSOCIATES, A DIVISION OF HOWARD NEEDLES TAMMEN & BERGENDOFF

By Ray H. Kochen

Title Project Engineer Date 3/31/76

## ACCEPTED:

HAGERMAN-SHAMBAUGH

ACCEPTED FOR: HAGERMAN CONSTRUCTION CORP.  
CONTRACTOR

By Mark F. Hagerman

Title V.P. Date 3/31/76

ACCEPTED FOR: SHAMBAUGH & SON, INC.  
CONTRACTOR

By Ray Shultz

Title Secretary Date 3/31/74

## APPROVED:

CITY OF FORT WAYNE, INDIANA  
OWNER

By Henry P. Wehrenberg  
Henry P. Wehrenberg, Chairman

May J. Scott  
Max Scott, Member

Ethel H. LaMar

Title BOARD OF PUBLIC WORKS

Date: 3/31/76

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary due to the existing obstacles that have been encountered in laying out the proposed new piping. This change will also help in keeping the plant in operation during the installation of the piping and pumps.
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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain

There will be a credit given to the City due to less labor involved in the installation of the welded steel.

3. Affect on operation and maintenance cost of this project:

N/A

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Engineer

Item No. 2

Change Order No. 8

Board Order No.

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change has become necessary due to the physical size of the plug valve that is to be installed in the manhole. The valve would fit in a 48" manhole but maintenance would be very difficult.
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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain

There is a material cost difference between the 48" manhole and the 72" manhole.

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3. Affect on operation and maintenance cost of this project:

With the larger manhole the maintenance personnel can get down to the valve to do their preventive maintenance checks and lubrication.

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\_\_\_\_\_  
Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary due to the poor condition of the existing window lights in the new office area. Approximately 49 windows are broken in the area of the new office and existing restrooms.
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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain

49 new window lights will be furnished and installed at a cost of \$846.00.

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3. Affect on operation and maintenance cost of this project:

N/A

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Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change has become necessary partially due to the fact that the removal of existing stone coping could not be accomplished without some damage. The added coping is necessary to match existing build features.
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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain

There is an additional cost due to material and labor to install the additional 43 feet of stone coping on the building.

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3. Affect on operation and maintenance cost of this project:

N/A

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Engineer

Item No. 5

Change Order No. 8

Board Order No. \_\_\_\_\_

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change has become necessary to supply enough electrical power on the center island of the new laboratory to power all the test equipment in this area.
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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain

One additional circuit will need to be run and this requires additional conduit and wire.

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3. Affect on operation and maintenance cost of this project:

The plant chemist will be able to run the appropriate test more efficiently.

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\_\_\_\_\_  
Engineer

Change Order No. 8

Item No. 6

Board Order No. \_\_\_\_\_

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary for esthetics and to improve the life of existing doors and windows. The problem was observed during the remodeling of the new office area where existing doors and windows are to be utilized.
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2. Will proposed change alter size of the project? Yes X No \_\_\_\_\_

If yes, explain

Additional paint and labor will be required to perform the additional work.

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3. Affect on operation and maintenance cost of this project:

N/A

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\_\_\_\_\_  
Engineer

Item No. 7

Change Order No. 8

Board Order No.

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary due to the location of an existing duct where new pipes are to be installed. Conflicts have occurred with new equipment piping which is to connect to existing piping. The duct location can not be altered or deleted for safety reasons in an area of potential need for emergency.
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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain

The existing duct will be removed and a new duct will be fabricated and installed.

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3. Affect on operation and maintenance cost of this project:

This change will permit the continued protection for operating protection for operating personnel from chlorine gas hazards.

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\_\_\_\_\_  
Engineer

Item No. 8

Change Order No. 8

Board Order No.

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary to modernize the present womens restroom facility. The new proposed vanity and hardware are to replace the existing sink and hardware which was installed in 1940.
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2. Will proposed change alter size of the project? Yes X No \_\_\_\_\_

If yes, explain

There will be an additional cost for material and labor to install the fixtures.

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3. Affect on operation and maintenance cost of this project:

The results of this change should improve facilities requiring use by plant personnel and visitors.

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\_\_\_\_\_  
Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary due to the change in power companies.

Indiana & Michigan have different requirements and standards for the size and security precautions than what the City Utility Company had. The physical size of the substation areas are approximately 12 times larger than originally anticipated.

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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain

The larger area will require a longer length of duct bank and wire to extend from the building to the substation.

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3. Affect on operation and maintenance cost of this project:

The increased size and location change will permit, when needed, the operation of portable temporary equipment for reduced down time from power failures attributed to substation equipment.

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Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary to allow for future electrical power to be installed in the floor slab for service to a potential future blower.
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2. Will proposed change alter size of the project? Yes  No \_\_\_\_\_

If yes, explain \_\_\_\_\_

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More electrical conduit will be required.

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3. Affect on operation and maintenance cost of this project:

N/A \_\_\_\_\_

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Engineer

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change will reduce maintenance and safety hazards by keeping the subject area clean and free from vegetation. This change will improve the accessibility to drain cleanouts and access hatches to the pipe vaults.
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2. Will proposed change alter size of the project? Yes X No \_\_\_\_\_

If yes, explain

Additional fill material and waterproofing will be required.

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3. Affect on operation and maintenance cost of this project:

(See first sentence above in Necessity for change).

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Engineer

Item No. 12

Change Order No. 8 12

Board Order No. \_\_\_\_\_

REQUEST AND JUSTIFICATION FOR CHANGE

1. Necessity for change: This change is necessary to provide ceiling, wall, and pipe coatings in areas required to be remodeled & modified within the new locker room and file room.
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2. Will proposed change alter size of the project? Yes X No \_\_\_\_\_

If yes, explain

Additional paint and labor will be required.

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3. Affect on operation and maintenance cost of this project:

N/A

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Engineer

3146  
TITLE OF ORDINANCE Special Ordinance - Change Order of Hagerman-Shambaugh-\$30,188.00

DEPARTMENT REQUESTING ORDINANCE Board of Public Works

S-76-04-30

SYNOPSIS OF ORDINANCE Change Order #8 of Hagerman-Shambaugh, Joint Bidders, in amount of \$30,188.00 on Division I of the Water Pollution Control Expansion Project provides for certain additions and deletions on original contract; all as set forth in Items 1 through 12 on attached Change Order.

Justification for changes is shown on attached sheets numbered 1 through 12.

[Redacted lines]

EFFECT OF PASSAGE Provides for certain changes deemed necessary by consulting engineers, Henry B. Steeg & Associates, Inc.

EFFECT OF NON-PASSAGE Failure to construct project in manner determined as best by City and Consultant

MONEY INVOLVED (Direct Costs, Expenditures, Savings) Direct cost to City is 15% as this is EPA and State funded in amounts of 75% and 10% respectively.

ASSIGNED TO COMMITTEE Public Works